

AMENDMENTS TO THE CLAIMS

Claims 1-40 Cancelled

41. (New) A data transmission method for sequentially transmitting data in units of packets each containing transmission data from a transmitting end to a receiving end, said method comprising:

transmitting an uncompressed packet in which predetermined transmission data is stored as uncompressed data at regular intervals;

subsequently continuously transmitting compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

forming compressed data that is to be stored in any packet other than an uncompressed packet, based on transmission data of the uncompressed packet and transmission data of a packet to be compressed.

42. (New) The data transmission method of Claim 41, wherein the uncompressed packet containing the same transmission data is continuously transmitted a plurality of times to the receiving end.

43. (New) The data transmission method of Claim 41, further comprising:
receiving from the receiving end, based on an occurrence of a restoration error of the uncompressed packet, a notification indicating an occurrence of the restoration error; and
transmitting the uncompressed packet in response to the notification.

44. (New) A data reception method for receiving data in units of packets each containing transmission data from a transmitting end to a receiving end, said method comprising:
storing predetermined transmission data as an uncompressed data packet at regular intervals;

subsequently continuously receiving compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

restoring transmission data of a compressed packet to be restored, based on transmission data of the uncompressed packet and compressed data included in the compressed packet to be restored.

45. (New) The data reception method of Claim 44, further comprising continuously receiving the uncompressed packet containing the same transmission data a plurality of times.

46. (New) The data reception method of Claim 44, further comprising discarding, when a restoration error occurs, only an error packet.

47. (New) The data reception method of Claim 44; further comprising:
transmitting, when a restoration error of the uncompressed packet occurs, a notification indicating an occurrence of the restoration error to the transmitting end; and
receiving the uncompressed packet, which is transmitted from the transmitting end, in response to the notification.

48. (New) A data transmission apparatus for sequentially transmitting data in units of packets each containing transmission data from a transmitting end to a receiving end, said apparatus comprising:

a transmission unit operable to transmit an uncompressed packet in which predetermined transmission data is stored as uncompressed data at regular intervals, and then to continuously transmit a compressed packet in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

a compression/uncompression section operable to perform a compression process of forming compressed data that is to be stored in any packet other than uncompressed packet, based on transmission data of the uncompressed packet and transmission data of the packet to be compressed.

49. (New) The data transmission apparatus of Claim 48, wherein said transmission unit is further operable to continuously transmit the uncompressed packet containing the same transmission data a plurality of times to the receiving end.

50. (New) The data transmission apparatus of Claim 48, further comprising:
an error notification reception unit operable to receive a notification indicating an occurrence of a restoration error from the receiving end, based on an occurrence of the restoration error of the uncompressed packet,
wherein said transmission unit is further operable to transmit the uncompressed packet in response to the notification.

51. (New) A data reception apparatus for receiving data that are transmitted in packet units from a transmitting end, said apparatus comprising:

a reception unit operable to receive an uncompressed packet in which predetermined transmission data is stored as uncompressed data at regular intervals, and then to continuously receive a compressed packet in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

a restoration unit operable to restore transmission data of a compressed packet to be restored, based on transmission data of the uncompressed packet and compressed data included in the compressed packet to be restored.

52. (New) The data reception apparatus of Claim 51, wherein the uncompressed packet containing the same transmission data a plurality of times.

53. (New) The data reception apparatus of Claim 51, wherein said apparatus is operable to discard only an error packet when a restoration error occurs.

54. (New) The data reception apparatus of Claim 51, further comprising:

an error notification transmission unit operable to transmit a notification indicating an occurrence of a restoration error to the transmitting end when a restoration error of the uncompressed packet occurs,

wherein said reception unit is further operable to receive the uncompressed packet transmitted from the transmitting end in response to the notification.